# V.A.C.ULTA™
## THERAPY SYSTEM

## MAINTENANCE MANUAL

Acelity™

Important Document

File in your maintenance records

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(see page 30).

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# Important Information For Users

**This manual is designed to assist with routine maintenance for the V.A.C.ULTA™ Therapy Unit manufactured by KCI. This manual is not intended for repair or non routine service procedures. Contact KCI (see page 30) for any repair or non routine service not covered by this manual.**

**Please read and understand all sections of this manual, including all safety information, before beginning any maintenance procedures on this equipment.**

**In order for KCI products to perform properly, KCI recommends the following:**

- All assembly, operation, adjustment, modification, and service should be carried out only by properly trained and qualified personnel.
- Ensure the electrical installation of the room complies with the appropriate national electrical wiring standards.
- The product must be used in accordance with its user manual and all applicable product labeling.
- Follow all procedures as outlined in this manual.
- Document and retain as a permanent record all procedures performed.
- Ensure that only KCI V.A.C.® Dressings and accessories are used with the V.A.C.ULTA™ Therapy Unit.

## Notice

**This product has been configured from the manufacturer to meet specific voltage requirements. Refer to the product information label for specific voltage.**

# Introduction / About This Manual

**This manual is designed to assist with maintenance procedures for the V.A.C.ULTA™ Therapy Unit. Following these procedures ensures that the V.A.C.ULTA™ Therapy Unit is fully functional and ready for patient use.**

**These procedures include:**

- **Verifying unit function**
- **Minor repairs / parts replacement**

## V.A.C.ULTA™ Therapy Unit Checklist

**Before starting any procedure detailed in this manual, make photocopies of the V.A.C.ULTA™ Therapy Unit Checklist located in the back of this manual. After the procedure is complete, retain the completed form for each unit as a permanent record.**

***All steps in these procedures must be followed in the order presented to provide proper functionality and reliability of the V.A.C.ULTA™ Therapy Unit.***

***It is recommended that all sections of this manual be reviewed before beginning any routine service procedures on the V.A.C.ULTA™ Therapy Unit.***

***Please follow all applicable warnings and cautions and use universal precautions where necessary.***

***Opening the therapy unit to gain access to the internal components (other than the battery) may void any warranty.***

# Preventative Maintenance

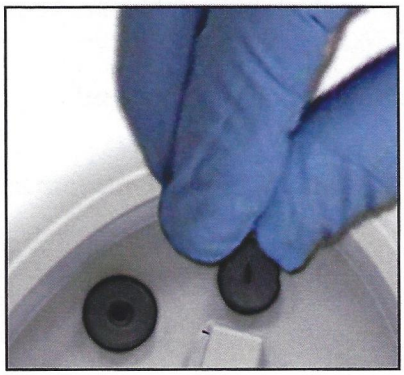
**The purpose of this procedure is to check instill pump performance and pressure accuracy for the V.A.C.ULTA™ Therapy Unit software.**

**To ensure accuracy, this procedure is required every six months.**

## Unit Setup

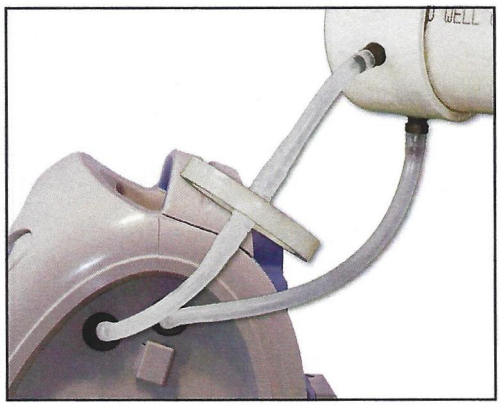
### Supplies and Equipment Needed

- calibrated digital manometer
- vacuum source
- locally sourced flexible tubing that fits over the canister tubing and the manometer barb
- one V.A.C.® (500mL) Test Fixture (KCI PN SE-000160)
- one KCI V.A.C. VERALINK™ test cassette half filled with water (KCI PN SE-000387)
  - This cassette can be reused for up to four months as a test cassette. Write on cassette 'Test Cassette-Not For Human Use' and the in-use date.



1. Disconnect the V.A.C.ULTA™ Therapy Unit from the power supply.

2. Remove the bellows.



3. Connect the unit to the test fixture assembly and manometer.

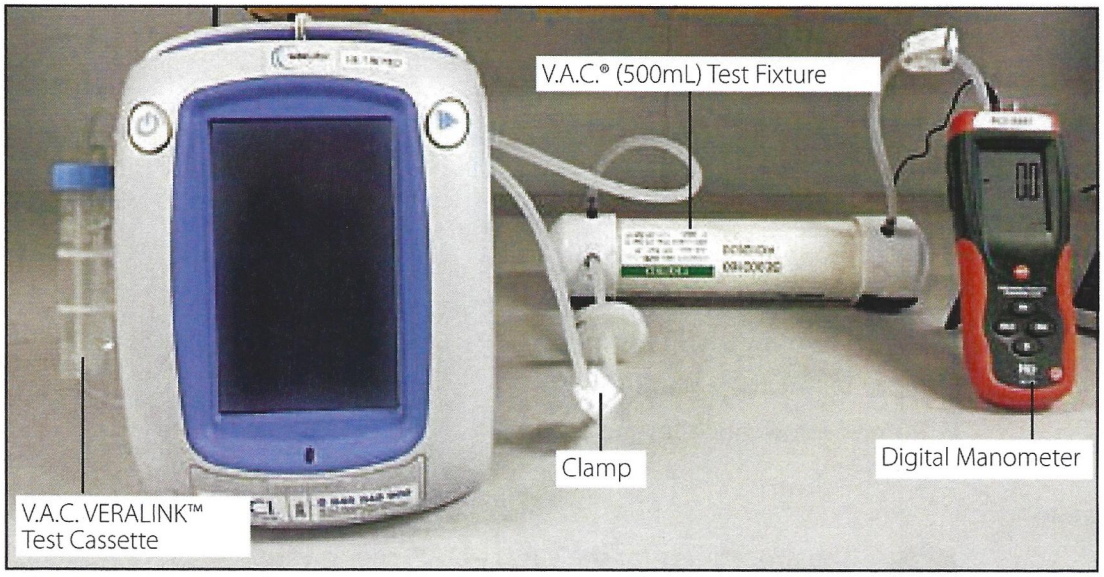
4. Attach the V.A.C. VERALINK™ test cassette to the V.A.C.ULTA™ Therapy Unit.



6

5. Turn on manometer and press the Clear Zero button.

Test Setup - Complete



## Advanced QC

**The purpose of this procedure is to perform the advanced quality control checks built into the V.A.C.ULTA™ Therapy Unit software.**

**These checks include:**

- Export Logs
- Pressure Accuracy Testing
- Pressure Calibration (if necessary)
- Reset Counter
- Pressure Transducer Check
- V.A.C.® Therapy Alarm Testing
- V.A.C. VERALINK™ Alarm Testing
- Pump Performance Testing

### Indicator Legend

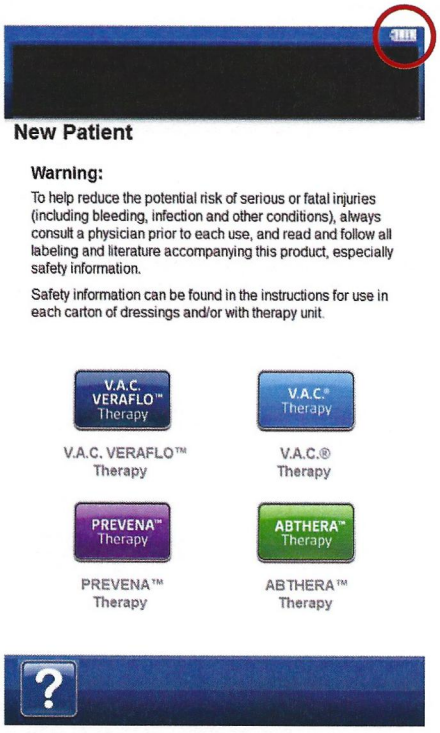
**The procedures for the V.A.C.ULTA™ Therapy Unit Advanced QC includes special indicators that appear in this document but will not appear on the software screens while using the device.**

**These indicators and their meaning appear below.**

| *Graphic* | *Meaning* |
|---|---|
| | Do not use or press |
| | Special attention required |
| | Indicates which button on the screen matches the applicable step in the instructions |

**A green check will appear when a test is successfully completed. If a red X appears, repeat the test. If the unit fails this second attempt, contact KCI (see page 30).**

## Startup Screen


New Patient
Warning:
To help reduce the potential risk of serious or fatal injuries (including bleeding, infection and other conditions), always consult a physician prior to each use, and read and follow all labeling and literature accompanying this product, especially safety information.
Safety information can be found in the instructions for use in each carton of dressings and/or with therapy unit.
V.A.C. VERAFLO™ Therapy
V.A.C.® Therapy
PREVENA™ Therapy
ABTHERA™ Therapy

1. Press and hold the Power button until the light comes on to turn the V.A.C.ULTA™ Therapy Unit on.

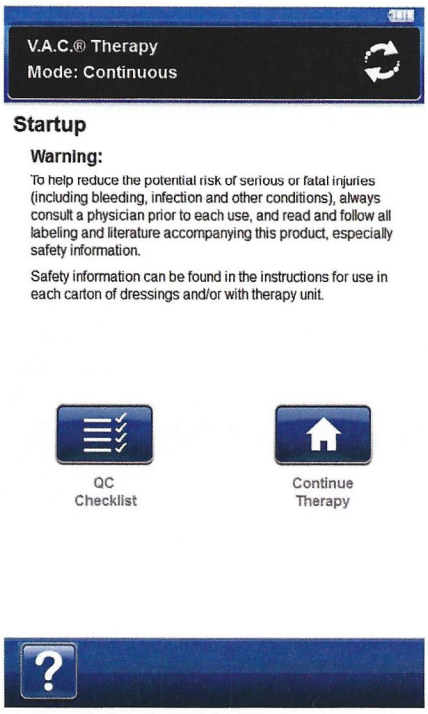
2. Verify unit is unplugged from power supply, ensure the battery symbol shows a full charge before continuing.

3. Press the V.A.C.® Therapy button on the *Startup* screen.

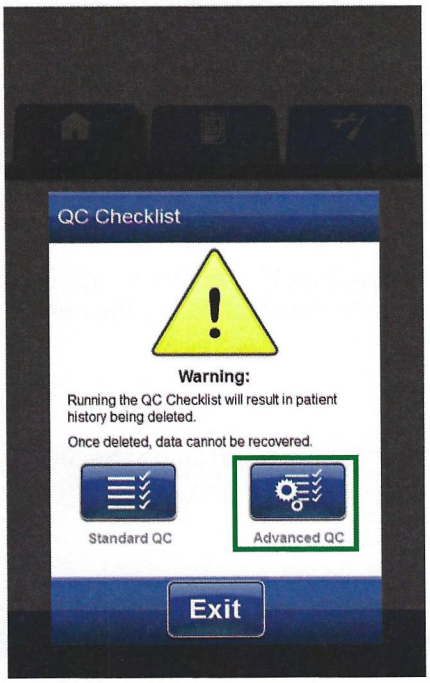
4. Press and hold the Power button until the display turns off to turn the V.A.C.ULTA™ Therapy Unit off.

5. Wait for the screen and all lights to go off before continuing.

6. Press and hold the Power button until the light comes on to turn the V.A.C.ULTA™ Therapy Unit on.


V.A.C.® Therapy
Mode: Continuous
Startup
Warning:
To help reduce the potential risk of serious or fatal injuries (including bleeding, infection and other conditions), always consult a physician prior to each use, and read and follow all labeling and literature accompanying this product, especially safety information.
Safety information can be found in the instructions for use in each carton of dressings and/or with therapy unit.
QC Checklist
Continue Therapy

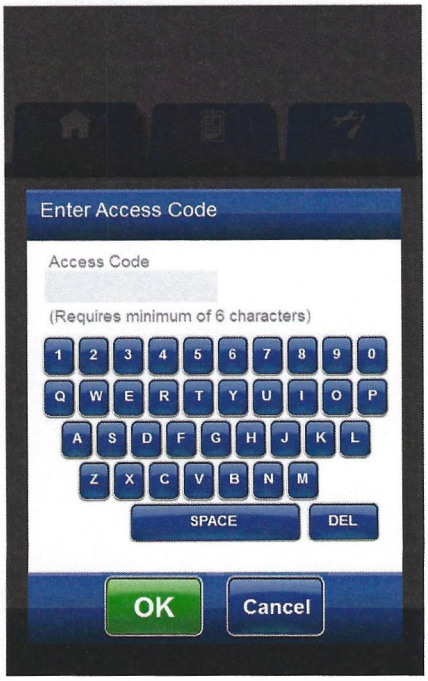
7. Press the QC Checklist button on the *Startup* screen.



8. Press the Advanced QC button on the *QC Checklist* screen.

***Running the QC Checklist will result in patient history being deleted. Once deleted, data cannot be recovered.***

## Enter Access Code Screen


Enter Access Code
Access Code
(Requires minimum of 6 characters)
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M
SPACE
DEL
OK
Cancel

9. Use the keypad to type the Advanced QC Code **M8G77R** into the Access Code window on the *Enter Access Code* screen.

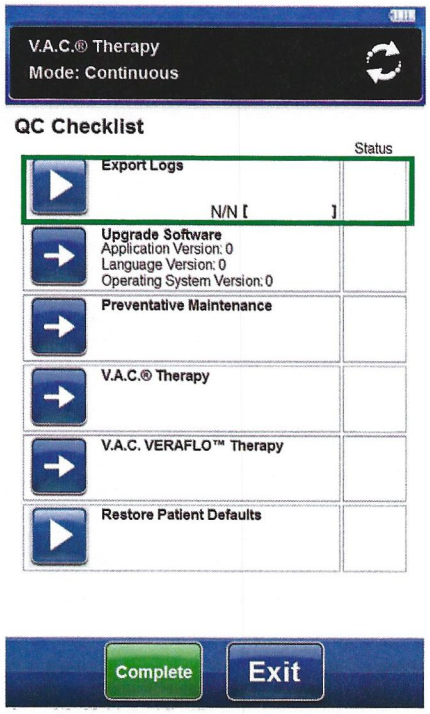
10. Press the OK button.

***If the Export Log procedure on the following page is not performed all information on the unit will be lost once the defaults are restored at the end of this checklist. Once deleted, this data cannot be recovered.***

## Export Logs Screen

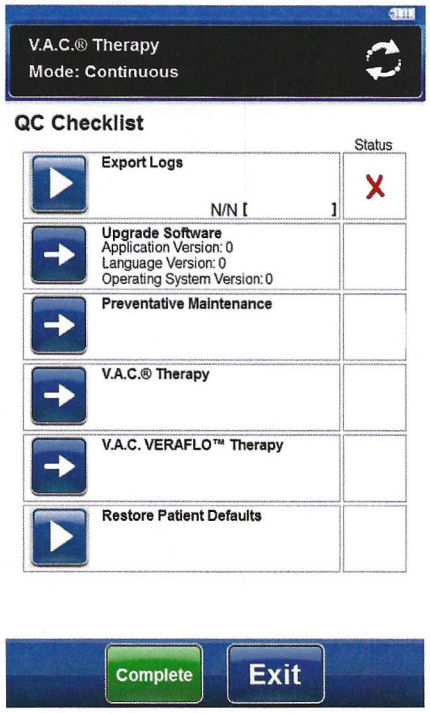
1. Open the User Data Interface door at the front of the V.A.C.ULTA™ Therapy Unit.

2. Insert memory device into the unit data port.



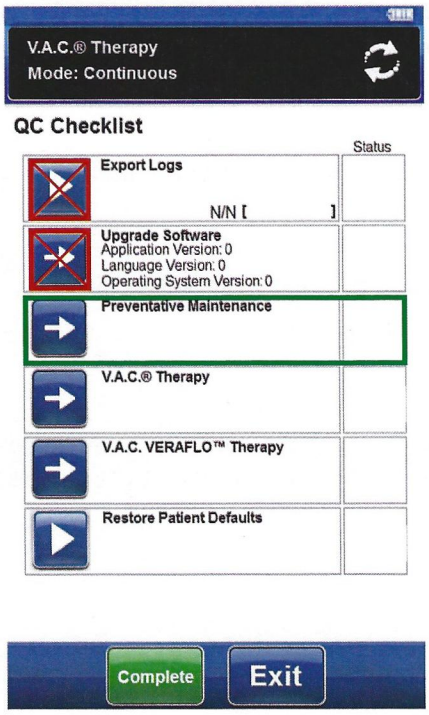
3. Press the Arrow button displayed next to Export Logs.

4. When export is complete, remove memory device from data port and close the User Data Interface door.

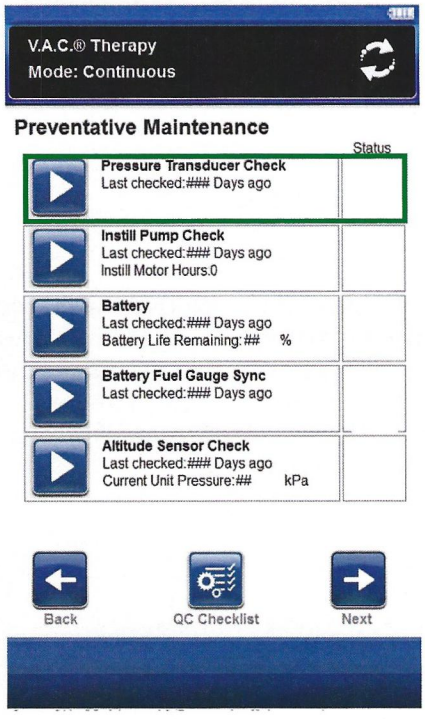


**If a red X appears during export, remove the memory device, reinsert into the data port and press the Arrow button again. If a red X appears after a second attempt, refer to the *Data Transfer Errors* section in the *V.A.C.ULTA™ Therapy Unit User Manual*. If errors continue, contact KCI (see page 30).**

## Pressure Accuracy Check



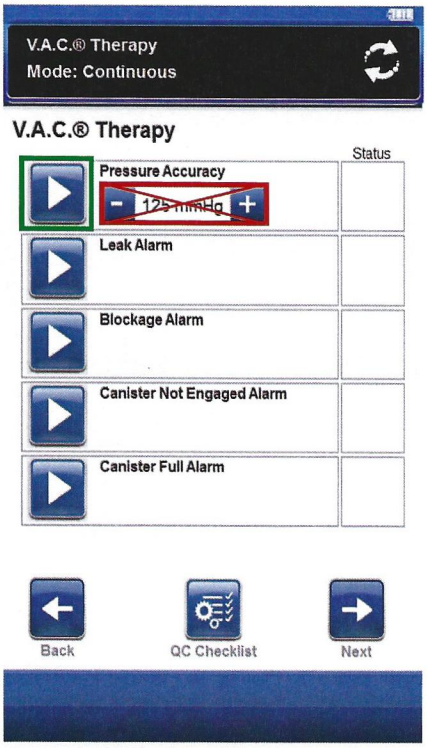
1. Select Preventative Maintenance button on the *QC Checklist* screen.



2. Reset the counter by pressing the Pressure Transducer Check button on the *Preventative Maintenance* screen.

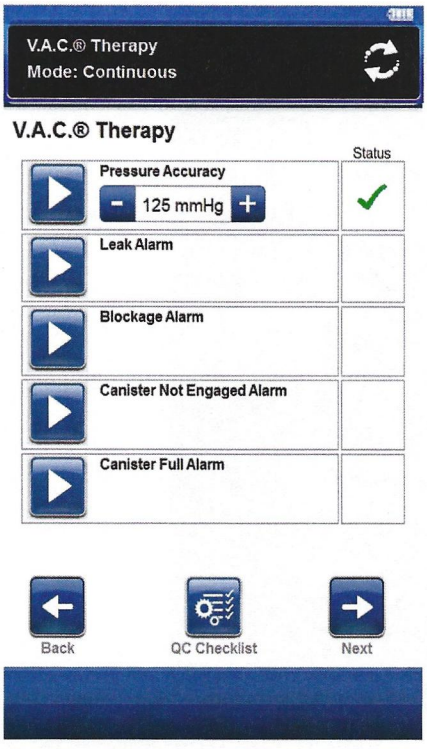
**Pressure Transducer Check should now display *Last checked: 0 days ago*.**

3. Select Next to advance to the *V.A.C. ® Therapy* screen.



4. Press the Arrow button displayed next to Pressure Accuracy.

5. Verify the manometer reading is +/- 10mmHg of 125 mmHg and record the number on the V.A.C.ULTA™ Therapy Unit Checklist (see this manual).




6. The unit has passed the test a green check mark will be displayed in the Status box. If the unit fails the Pressure Calibration screen will appear automatically.

7. Continue to the V.A.C.® Therapy Alarm Testing section

## Pressure Calibration

**If the Pressure Accuracy test fails, the Pressure Calibration screen will automatically appear. Follow the instruction below to run Pressure Calibration.**

1. Remove the test canister assembly from the unit.

2. Press the arrow button next to the Measured box for the Ambient Pressure to save the 0 calibration point.

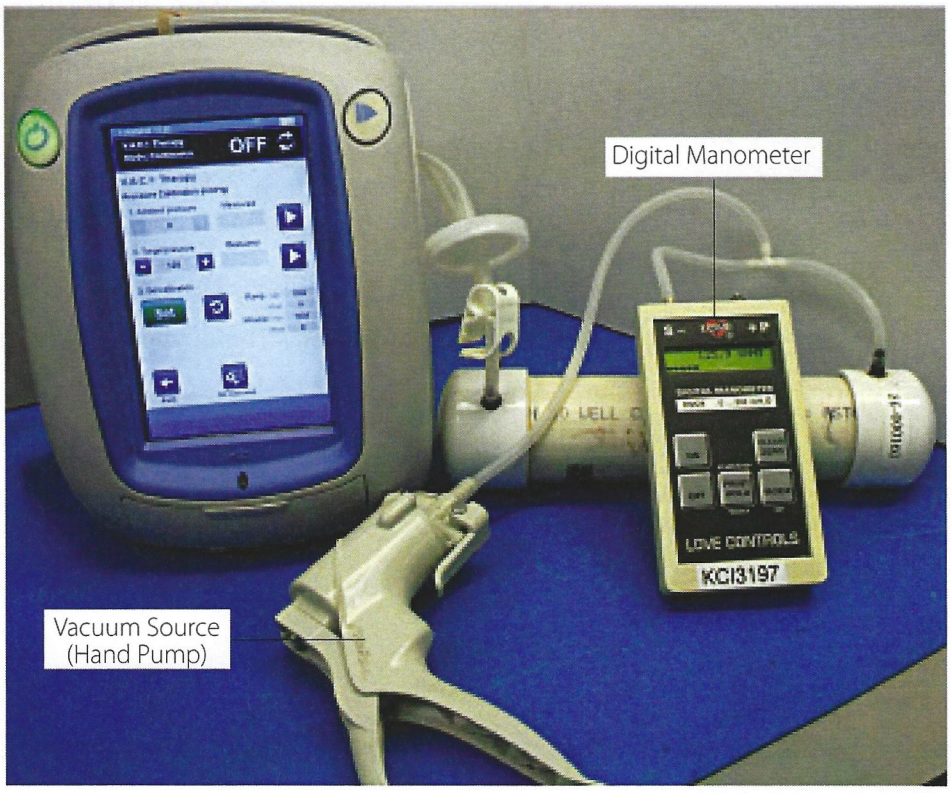
**The Ambient Pressure will be set to a default of 0 and not need adjusting.**

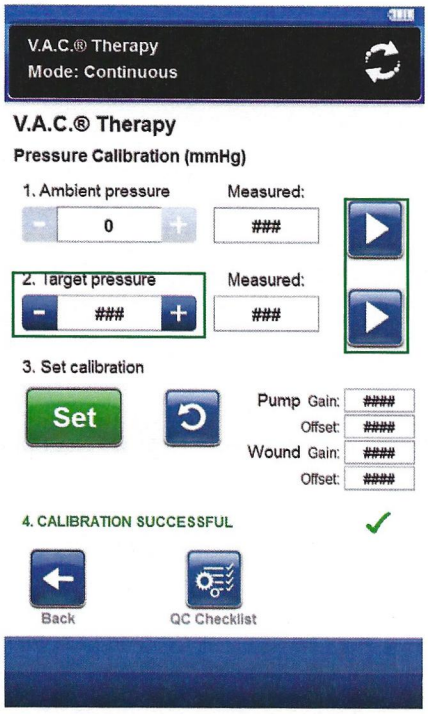
3. Reattach the test canister assembly to the unit.

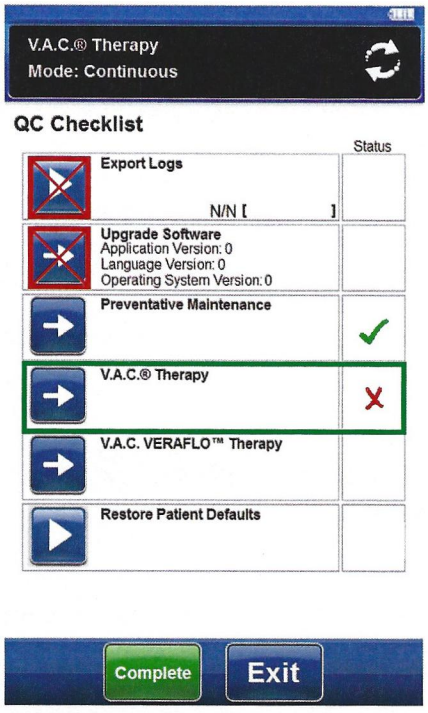
4. Connect the vacuum source (hand pump) to the test set up.

5. Using the vacuum pump, draw a vacuum of 125mmHg (+/- 2mmHg) as displayed on the manometer.

Pressure Calibration Setup - Completed






**If the Target pressure box numbers and pressure reading on the manometer do not match use the + or – button to adjust the display to match.**

6. Press the Play button next to the Measured box for the Target Pressure and an offset value will be generated.

7. Press the Set button to save the 125 calibration point.

8. Press the QC Checklist button to continue.

9. Disconnect the Pressure Calibration Setup.

10. Reconnect unit for testing based on the Preventive Maintenance/Unit Setup instructions.

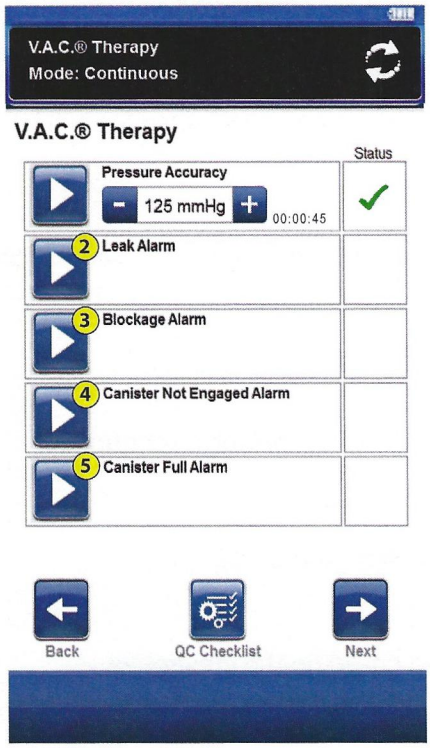
11. Press the Advanced QC button on the *QC Checklist* screen.

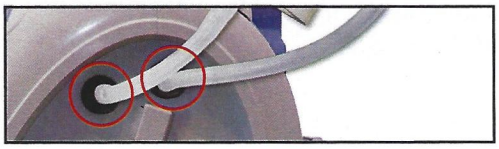
12. Press the Arrow button displayed next to V.A.C. ® Therapy to advance to the *V.A.C. ® Therapy* screen.

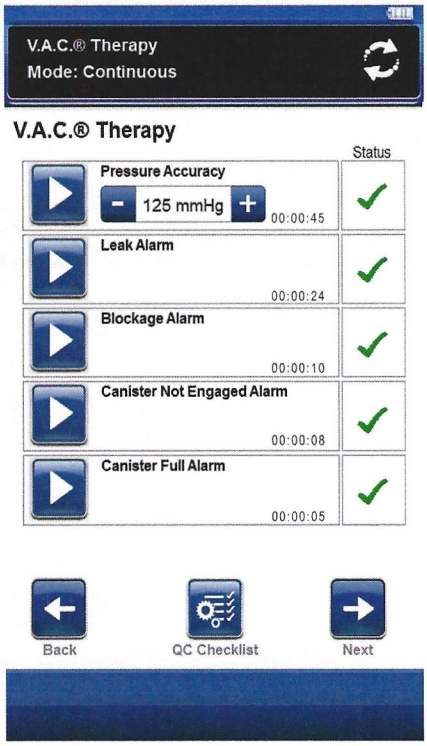
13. Repeat the Pressure Accuracy Check.

***If the calibration can not be completed contact KCI for next steps (see the Customer Contact Information section page 30).***

## V.A.C.® Therapy Alarm Testing






1. Detach the tubing from the manometer.

2. Press the Arrow button displayed next to Leak Alarm.

3. Attach the tubing to the manometer.

4. Press the Arrow button displayed next to Blockage Alarm.

5. Detach the tubing from the unit in both locations.

6. Press the Arrow button displayed next to Canister Not Engaged Alarm.

7. Attach the tubing to the unit in both locations.

8. Close the clamp running from the unit to the test canister.

9. Press the Arrow button displayed next to Canister Full Alarm.

**After tests are successfully completed a green check should show next to each item listed on the screen (see figure at left).**

10. Document PM and change dates according to institutional procedures.

## V.A.C. VERALINK™ Alarm Testing

1. Release the clamp running from the unit to the test canister.
2. Detach the tubing from the manometer.
3. Verify the V.A.C. VERALINK™ test cassette is attached to the unit.
4. Press the Next button to continue testing.

**If the V.A.C. VERALINK™ Test Cassette is properly in place this screen will appear with two green checks (see figure at left).**

**If a red X appears on this screen, remove and re-seat the V.A.C. VERALINK™ Test Cassette, press the Back button, check fluid in the test cassette, then press the Next button. If the red X does not disappear, contact KCI (see page 30).**

## Pump Performance Testing

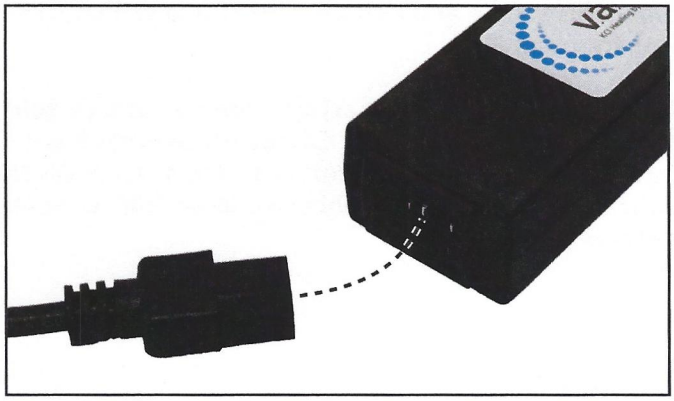
### Setup

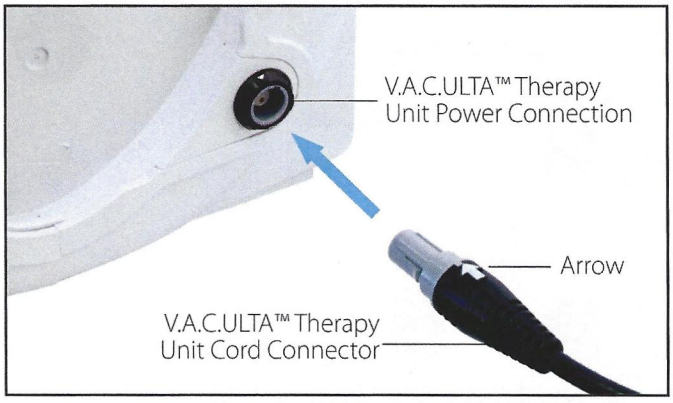
1. Plug the AC power cord into the DC power supply.
2. Plug the AC wall plug into an AC wall outlet.

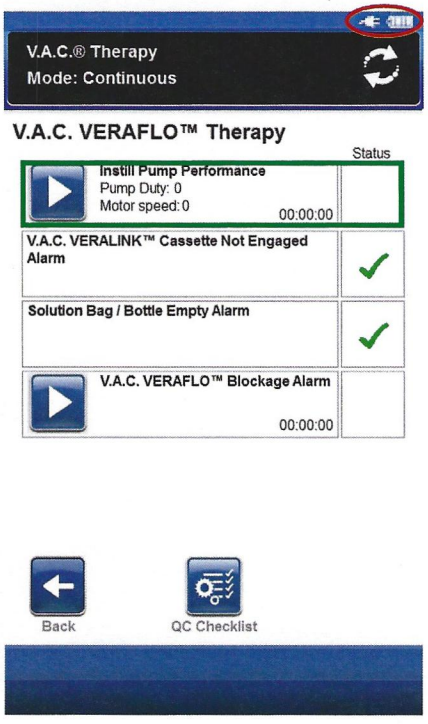
***The V.A.C.ULTA™ Therapy Unit must be plugged into an outlet before continuing. Proper Pump Duty Cycle value is only displayed on AC power.***

3. Locate the arrow on the charging cord connector. The arrow should face up as the charging cord connector is plugged into the power connection on the V.A.C.ULTA™ Therapy Unit.

**Instill Pump Performance should display ≤ 88%.**

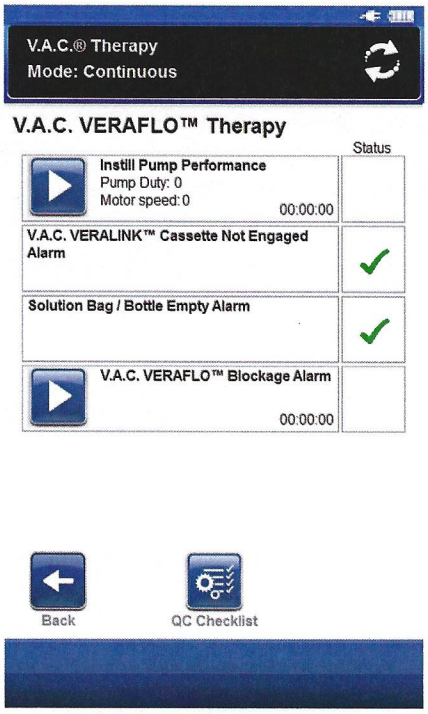


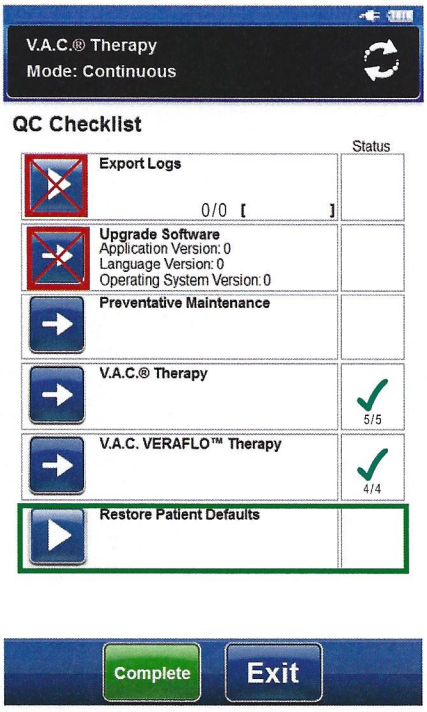


4. Press the Arrow button displayed next to Instill Pump Performance on the *V.A.C. VeraFlo ™ Therapy* screen.
   - Verify Pump Duty value is ≤ 88%.
   - If the Pump Duty value is > 88%, replace the test cassette and repeat step 1 above.

***Proper Pump Duty Cycle value is only displayed on AC power. The maximum value possible with AC power is 91%. If the Pump Duty value displays 100% it is most likely using DC power (battery only).***




5. If the value continues to display > 88%
   - Press and hold the Power button until the display turns off to turn the V.A.C.ULTA™ Therapy Unit off.
   - Verify that all plugs are undamaged and firmly attached to the V.A.C.ULTA™ Therapy Unit.
   - Press and hold the Power button until the light comes on to turn the V.A.C.ULTA™ Therapy Unit on.
   - Verify the V.A.C.ULTA™ Therapy Unit is receiving power when plugged into the AC wall outlet.
   - Press the QC Checklist button on the *Startup* screen.
   - Press the Advanced QC button from the *QC Checklist* screen.
   - Type the Advanced QC Code **M8G77R** in the Access Code window on the *Enter Access Code* screen and press the OK button.
   - Press the Arrow button displayed next to V.A.C. VERAFLO™ Therapy from the *QC Checklist* screen.
   - Press the Arrow button displayed next to Instill Pump Performance on the *V.A.C. VERAFLO™ Therapy* screen.
   - If after powering down and re-running test the Pump Duty value is still greater than 88%, contact KCI (see page 30).

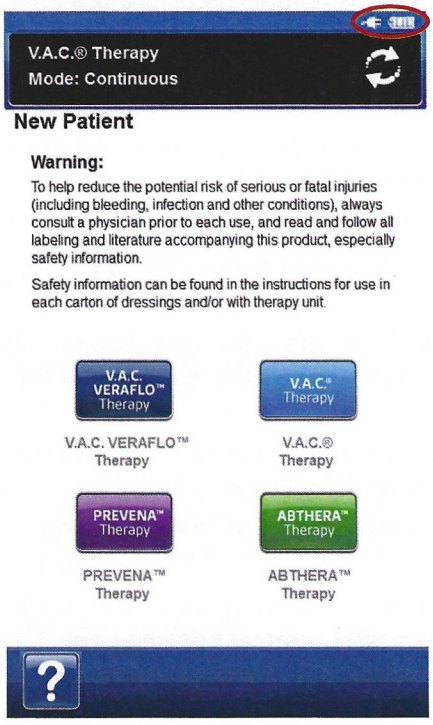
6. If the Pump Duty value is ≤ 88% press the QC Checklist button to return to the *QC Checklist* screen.

7. Press the Arrow button displayed next to Restore Patient Defaults.

8. Press the Complete button.

## Final Steps

**The purpose of this procedure is to verify that the V.A.C.ULTA™ Therapy Unit is charging before turning it off.**


V.A.C.® Therapy
Mode: Continuous
New Patient
Warning:
To help reduce the potential risk of serious or fatal injuries (including bleeding, infection and other conditions), always consult a physician prior to each use, and read and follow all labeling and literature accompanying this product, especially safety information.
Safety information can be found in the instructions for use in each carton of dressings and/or with therapy unit.
V.A.C. VERAFLO™ Therapy
V.A.C.® Therapy
PREVENA™ Therapy
ABTHERA™ Therapy

1. Remove the test canister and V.A.C. VERALINK™ test cassette from the unit if still attached. Write the in-use date on the cassette if needed.

2. If needed plug the AC power cord into the DC power supply.

3. If needed plug the AC wall plug into an AC wall outlet.

4. Verify the plug indicator appears on the upper right of the touch screen.

5. Press and hold the Power button until the display turns off to turn the V.A.C.ULTA™ Therapy Unit off.

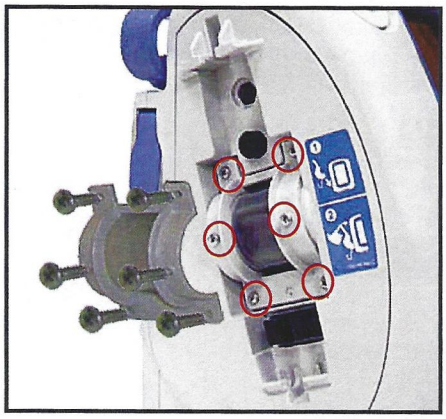
# Parts Replacement

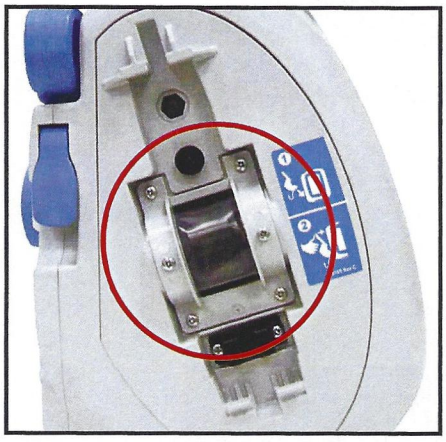
## Replace Instill Roller Cover

**The purpose of this procedure is to replace the instill roller cover for the V.A.C.ULTA™ Therapy Unit.**

### Tools and Supplies

- phillips screw driver
- instill roller cover (KCI PN 350039)





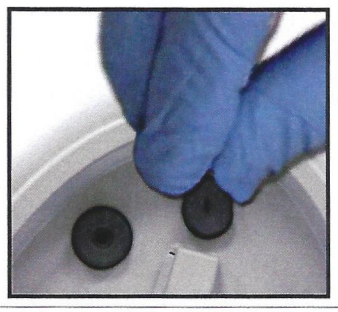
1. Remove six screws as shown.
2. Remove damaged instill roller cover.
3. Place new instill roller cover into position.
4. Secure the new instill roller cover to unit with the six screws removed in step one.

## Replace Bellows

**The purpose of this procedure is to replace the V.A.C.ULTA™ Therapy Unit bellows.**

### Tools and Supplies

- canister bellows (KCI PN M4242003)



1. Pinch bellows between finger and thumb and pull slightly to remove. Do this for both bellows.
2. Attach the new bellows by pushing them into place.
3. Ensure the bellows are fully seated.

# Replace Unit Labels

## Tools and Supplies Needed

- 70% alcohol wipes (or equivalent)
- labels as needed - see diagram below for part number references

Label, V.A.C.ULTA™ 4 Button Logo- (KCI PN 417157)
Label, V.A.C.ULTA™ Reorder - US - (KCI PN 350169)
Label, V.A.C.ULTA™ Rating, Regulatory - (KCI PN 350162)
Label, V.A.C.ULTA™ Not For Home Use - (KCI PN 416964)
Label, MR Unsafe - (KCI PN 417286)
Label, V.A.C.ULTA™ Hanger Arm Logo - (V.A.C. VERAFLO™ Therapy) - (KCI PN 350167)
Label, Device Product Information - (KCI PN 350273) US location only
Label, V.A.C.ULTA™ Hanger Arm Instruct - (KCI PN 350166)
Label, V.A.C.ULTA™, VERALINK™ Installation - (KCI PN 350165)
Label, V.A.C.ULTA™ Patient Information - (KCI PN 350164) (not present on all units)
Label, Multi-Product, KCI Customer Owned Unit - (KCI PN 320674)
Label, VAC/NPWT Power Cord - (KCI PN 360068)

1. Wipe areas of unit using 70% alcohol wipes where labels will be applied.

***Do not use a sharp object to scrape the labeling off, this could damage the unit.***

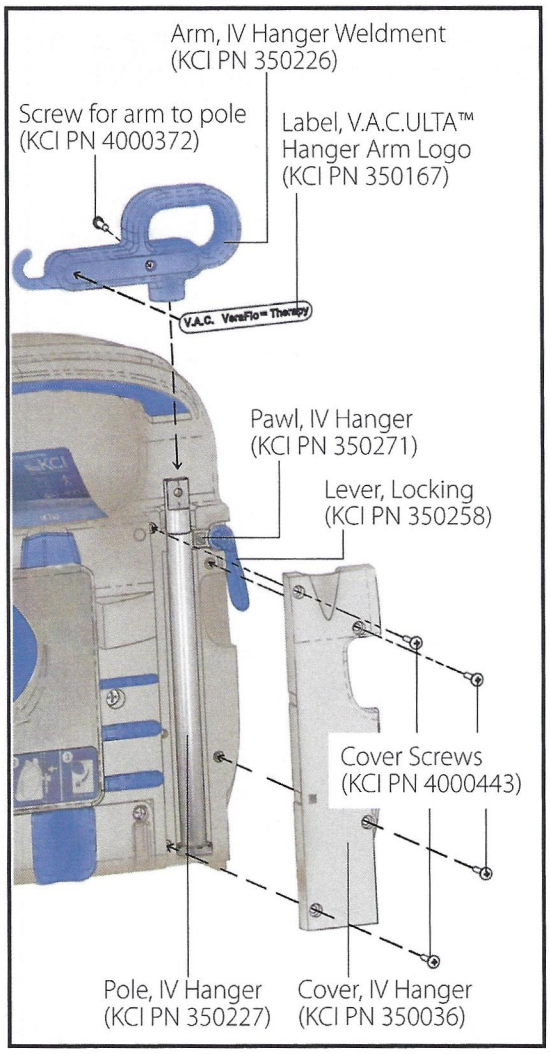
2. Apply new labels in the same position and orientation over the damaged or missing label (see diagram).

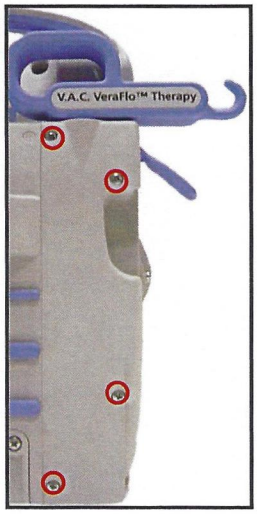
**Additional country specific labeling may be present on the device. Replace as needed. Contact KCI with any questions regarding country specific labels.**

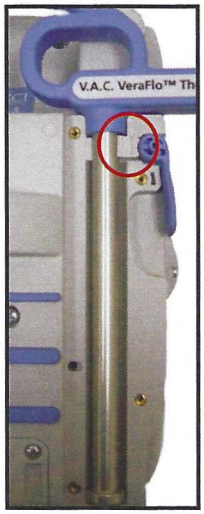
## Replace Solution Container Hanger Arm

**The purpose of this procedure is to replace the Solution Container Hanger Arm for the V.A.C.ULTA™ Therapy Unit.**

### Tools and Supplies




- arm IV hanger (weldment) (KCI PN 350226)
- two V.A.C.ULTA™ hanger arm logo labels (KCI PN 350167)
- cover, IV hanger (KCI PN 350036)
- lever, locking (KCI PN 350258)
- pawl, IV hanger (KCI PN 350271)
- pole, IV hanger (KCI PN 350227)
- screw (KCI PN 4000372)
- cover screws - set of four (KCI PN 4000443)
- phillips screw driver

1. Secure a new arm (KCI PN 350226) to a new pole (KCI PN 350227) with the small screw (KCI PN 4000372).

2. Apply a new V.A.C.ULTA™ Hanger Arm Logo label (KCI PN 350167) to each side of the arm.

3. Remove the four screws located at the top and bottom of the IV hanger cover.

4. Carefully remove the cover; discard according to standard protocols
if damaged.

5. Carefully remove the pole, discard according to standard protocols.

6. When replacing the pole, carefully place the new combined pole and arm (from step 1 and 2) into the recessed area of the unit.

**If not replacing the locking lever (KCI PN 350258) be careful to not disturb its position while the cover is off.**

7. Verify that the IV hanger pawl (KCI PN 350271) is in place between the locking lever (KCI PN 350258) and the combined pole and arm.

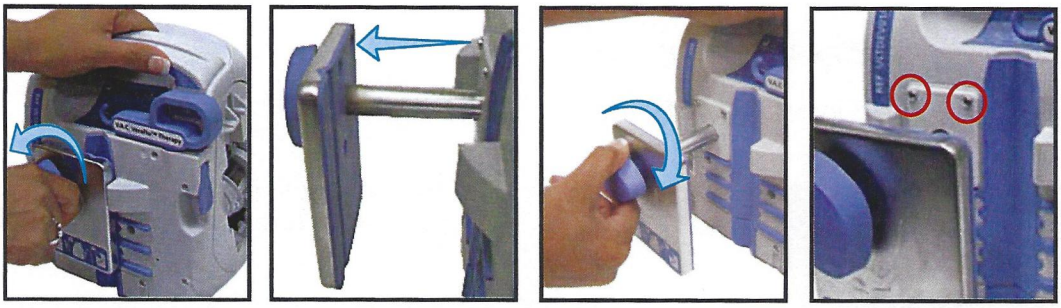
8. Place the cover over the arm and re-attach to the unit with four cover screws (KCI PN 4000443).

## Replace Unit Hanger Arm

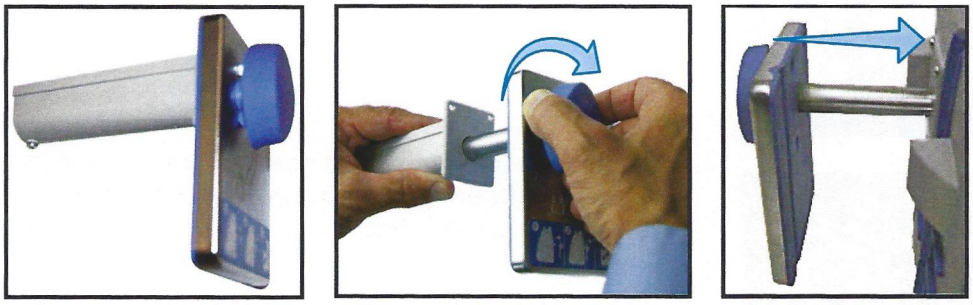
**The purpose of this procedure is to replace the V.A.C.ULTA™ Therapy Unit Hanger Arm.**

### Tools and Supplies

- hanger arm assembly (KCI PN 350274)
- phillips screw driver
- screw (KCI PN 4000372) if needed



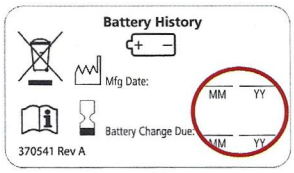
1. Turn the knob counterclockwise to unlock.
2. Pull the arm away from the unit.
3. Turn the knob clockwise to lock arm in the extended position.
4. Remove the two screws as shown.
5. Pull to remove the arm from the unit.



6. Extend new arm and turn knob clockwise to lock in the extended position.
7. Place the new arm into position and push until the new arm is seated correctly.
8. Secure the new arm to the unit with the two screws removed in step 4.
9. Turn the knob counterclockwise to unlock.

## Replace Battery

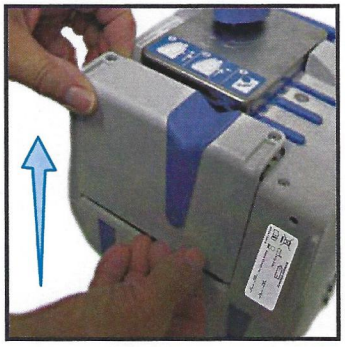
**The purpose of this procedure is to replace the V.A.C.ULTA™ Therapy Unit battery.**

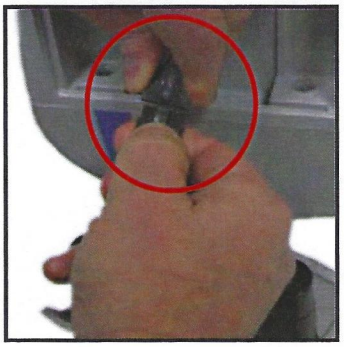



**The battery is due for replacement 28 months (or 850 days or more on the PM screen) from the Mfg date listed on the current battery history label located on the bottom of the unit.**
**See graphic at left.**

### Tools and Supplies

- phillips screw driver
- battery (KCI PN 4103706)





1. Press and hold the Power button until the display turns off to turn the V.A.C.ULTA™ Therapy Unit off.
2. Remove screws located at the bottom back of the unit.
3. Open battery compartment housing carefully.
4. Separate connector.
5. Remove old battery and dispose of properly.
6. Connect the new battery.
7. Replace the battery compartment housing cover.
8. Secure the battery compartment housing cover to the unit with the screws removed in step 2 above.
9. Remove the battery history label located on the bottom of the V.A.C.ULTA™ Therapy Unit and dispose of properly.
10. Document the next change date for the battery according to institutional procedures. The date should be 28 months from the current date.
11. Start charging the new battery.
    - Plug the AC power cord into the DC power supply.
    - Plug the AC wall plug into an AC wall outlet.
    - Locate the arrow on the charging cord connector. The arrow should face up as the charging cord connector is plugged into the power connection on the V.A.C.ULTA™ Therapy Unit.

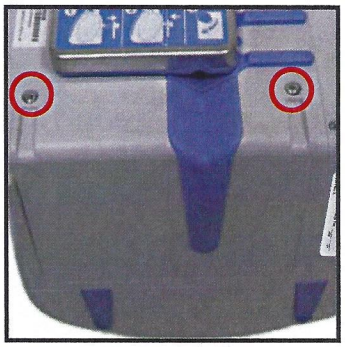
**If the rubber V channel anti-slip pad on the battery housing is damaged see the Replace Battery Compartment Housing section.**

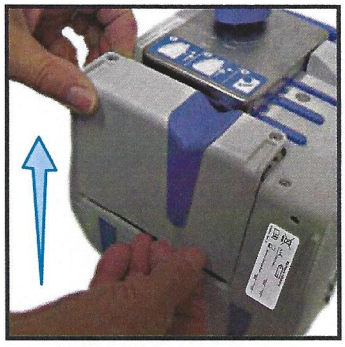
## Replace Battery Compartment Housing

**The purpose of this procedure is to replace the V.A.C.ULTA™ Therapy Unit battery compartment housing. This will be necessary if any part of the housing is damaged including the rubber V channel anti-slip pad.**

### Tools and Supplies

- phillips screw driver
- battery compartment housing and foam (KCI PN 350232)
- foam, ABTHERA™ battery (KCI PN 370531)
- adhesive





1. Press and hold the Power button until the display turns off to turn the V.A.C.ULTA™ Therapy Unit off.
2. Remove screws located at the bottom back of the unit.
3. Open battery compartment housing carefully.
4. Dispose of the damaged housing properly.
5. Attach the new battery compartment housing cover.
6. Secure the battery compartment housing cover to the unit with the screws removed in step 2 above.

# Spare Parts

**This spare parts list is current as of November 2016. Contact your KCI representative to verify current part numbers.**

| Part Number | Description |
|---|---|
| 320674 | Label, Multi-Product, KCI Customer Owned Unit |
| 350036 | Cover, IV Hanger |
| 350039 | Instill Roller Cover |
| 350162 | Label, V.A.C.ULTA™ Rating, Regulatory |
| 350164 | Label, V.A.C.ULTA™ Patient Information |
| 350165 | Label, V.A.C.ULTA™, VERALINK™ Installation |
| 350166 | Label, V.A.C.ULTA™ Hanger Arm Instruct |
| 350167 | Label, V.A.C.ULTA™ Hanger Arm Logo - (V.A.C. VERAFLO™ Therapy) |
| 350169 | Label, V.A.C.ULTA™ Reorder - US |
| 350232 | Battery Housing |
| 350274 | Hanger Arm Assembly |
| 350273 | Label, Device Product Information |
| 350226 | Arm, IV Hanger Weldment - (Solution Container Hanger Arm) |
| 350258 | Lever, Locking |
| 350271 | Pawl, IV Hanger |
| 350227 | Pole, IV Hanger |
| 360068 | Label, V.A.C./NPWT Power Cord |
| 370531 | Foam, Open Abdomen Battery |
| 416964 | Label, V.A.C.ULTA™ Not For Home Use |
| 417157 | Label, V.A.C.ULTA™ 4 Button Logo |
| 417286 | Label, MR Unsafe |
| 4000372 | Screw |
| 4000443 | Cover Screws (X 4) |
| 4103706 | Battery |
| M3268567 | Data Stylus |
| M4242003 | Canister Bellows FGA14NK-SO (X 2) |
| M6275069/5 | T.R.A.C.™ Tubing Cap (5 Per Package) |
| SE-000387/05 | V.A.C. VERALINK™ Test Cassette (5 Per Package) |
| SE-000160 | Fixture, V.A.C. (500mL) Test |

# Customer Contact Information

**For questions regarding this product, supplies, maintenance, or additional information about KCI products and services, please contact KCI or a KCI authorized representative, or:**

**In the US** call 1-800-275-4524 or visit www.acelity.com or www.vaculta.com
KCI USA, Inc. 12930 IH 10 West San Antonio, TX 78249

**Outside the US** visit www.kci-medical.com

# V.A.C.ULTA™ Therapy Unit Checklist (Maintenance Manual)

- This form is to be used in conjunction with the V.A.C.ULTA™ Therapy Unit Preventative Maintenance Manual (417006).
- Complete this form for Preventative Maintenance and maintain it as a permanent record.

| Should be run every six months (183 days) as required. | | |
|---|---|---|
| **Preventative Maintenance Procedure Section** | | |
| ☐ Preventative Maintenance Setup Section | | |
| Unplug the V.A.C.ULTA™ Therapy Unit from the power supply. | ☐ | |
| Attach test canister marked 'PM Test Only - Not For Human Use' to the V.A.C.ULTA™ Therapy Unit. | ☐ | |
| Cut end of tubing below the end of the connector. | ☐ | |
| Fit the tubing over the canister tubing - make sure fit is snug. | ☐ | |
| Attach V.A.C. VERALINK™ test cassette to the V.A.C.ULTA™ Therapy Unit. | ☐ | |
| Connect calibrated manometer to the test canister tubing. | ☐ | |
| Turn on the manometer and press the Clear Zero button. | ☐ | |
| ☐ Advanced QC Startup Screens Section - Set screens to access PM. | | |
| Press and hold power button to turn unit on. | ☐ | |
| Verify unit is unplugged from the power supply and battery is charged. | ☐ | |
| On Startup screen press V.A.C.® Therapy button. | ☐ | |
| Press and hold power button to turn unit off. | ☐ | |
| ***Wait for screen and all lights to go off before continuing.*** | | |
| Press and hold power button to turn unit on. | ☐ | |
| Press the QC Checklist button. | ☐ | |
| Press the Advanced QC button. | ☐ | |
| Enter Access Code. | ☐ | |
| ☐ Pressure Accuracy Check Section | **PASS** ☐ | **FAIL** ☐ |
| Press Arrow button for **Preventative Maintenance**. | ☐ | ☐ |
| Press Arrow button for **Pressure Transducer Check**. | ☐ | ☐ |
| **Pressure Transducer Check should now display "Last checked: 0 days ago".** | ☐ | ☐ |
| Press next button for **V.A.C.® Therapy** screen. | ☐ | ☐ |
| Press Arrow button for **Pressure Accuracy**. | ☐ | ☐ |
| Pressure Accuracy Results: _____ | | |
| If unit fails contact KCI. | ☐ | ☐ |
| ☐ V.A.C.® Therapy Alarm Testing Section | | |
| ***Wait for each test to complete before moving to the next.*** | | |
| Detach tubing from manometer. | | |
| Press Arrow button for **Leak Alarm**. | ☐ | ☐ |
| Attach tubing to manometer | | |
| Press Arrow button for **Blockage Alarm**. | ☐ | ☐ |

| V.A.C.® Therapy Alarm Testing Section continued... | **PASS** | **FAIL** |
|---|---|---|
| Detach tubing from unit in both locations | | |
| Press Arrow button for **Canister Not Engaged Alarm**. | ☐ | ☐ |
| Attach tubing to unit in both locations | | |
| Press Arrow button next to **Canister Full Alarm**. | ☐ | ☐ |
| **After successful completion of all tests document PM & change dates according to institutional procedures.** | | |
| After successful completion of all tests Press **Next** button. | | |
| ☐ V.A.C. VERALINK™ Alarm Testing Section | **PASS** | **FAIL** |
| **Re-seat the test cassette as necessary for testing purposes.** | | |
| Check V.A.C. VERALINK™ Cassette Not Engaged Alarm. | ☐ | ☐ |
| Check Solution Bag/Bottle Empty Alarm. | ☐ | ☐ |
| ☐ Pump Performance Testing Section | | |
| **Plug the AC power cord into the DC power supply.** | | |
| **Plug the AC wall plug into AC wall outlet.** | | |
| Press Arrow button for **Instill Pump Performance**. | ☐ | ☐ |
| Verify Pump Duty value displayed is ≤ 88%. | ☐ | ☐ |
| If Pump Duty value displayed is > 88% replace test cassette. | ☐ | ☐ |
| Press Arrow button for **Instill Pump Performance**. | ☐ | ☐ |
| If Pump Duty value displayed is still > 88% perform the following actions:<br>• Press and hold the power button to turn off unit.<br>• Verify all plugs are undamaged and firmly attached to unit.<br>• Press and hold the power button to turn on unit.<br>• Verify the unit is receiving power while plugged into AC wall outlet.<br>• Press QC Checklist button on Startup screen.<br>• Press Advanced QC button on QC Checklist screen.<br>• Enter Access Code.<br>• Press Arrow button for Instill Pump Performance on V.A.C. VERAFLO™ Therapy screen.<br>• If Pump Duty value displayed is still > 88% **contact KCI**. | | |
| If Pump Duty value displays ≤ 88% press **QC Checklist** button. | ☐ | ☐ |
| ☐ Press **Restore Patient Defaults** button. | ☐ | ☐ |

| **Preventative Maintenance Final Settings Section** | |
|---|---|
| ☐ | Remove test canister - mark if necessary. |
| ☐ | Plug unit into power supply and outlet. |
| ☐ | Press and hold Power button to turn off the V.A.C.ULTA™ Therapy Unit. |
| **Preventative Maintenance completed:** | |
| Sign: _____ | Date: _____ / _____ / _____ |

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